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Patents, P.O. Box 1450, Alexandria, Va. 22313-1450 on August 18, 2003

*Eileen Sheffield*  
Eileen Sheffield

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**AUG 19 2003**  
**GROUP 1600**

**OFFICIAL**

**IN THE UNITED STATES PATENT AND TRADEMARKS OFFICE**

Applicant(s): Elaine L. Jacobson, et al.  
Serial Number: 09/836,576  
Filed: April 16, 2001  
For: METHOD FOR IDENTIFYING REGULATORS OF  
PROTEIN-ADVANCED GLYCATION END PRODUCT  
(PROTEIN-AGE) FORMATION  
Art Unit: 1651  
Examiner S. E. Saucier

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August 18, 2003

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**LETTER RE: INTERVIEW**

In preparation for telephone interview on August 19, 2003 at 3:00 p.m. here is a proposed claim for your review.

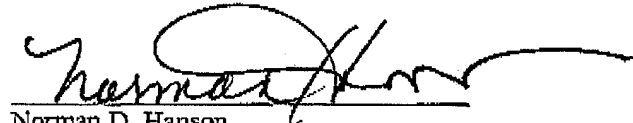
**PROPOSED CLAIM**

1. A method for determining if a substance is an inhibitor of protein glycation, comprising:
  - (i) admixing ADP-ribose and histone H1 and determining fluorescence,
  - (ii) admixing ADP-ribose, histone H1, and said substance, and determining fluorescence,
  - (iii) comparing measured fluorescence in (i) and (ii), wherein a decrease in measured fluorescence in (ii) as compared to (i) is indicative of a possible protein glycation inhibitor,
  - (iv) combining said possible protein glycation inhibitor with AGE-BSA, and measuring fluorescence,
  - (v) measuring fluorescence of an amount of AGE-BSA equal to that in (iv)

- (vi) comparing fluorescence in (iv) and (v), wherein a decrease of fluorescence in (iv) as compared to (v) is indicative of a false positive, which quenches AGE fluorescence, and
- (vii) combining said substance if it does not quench AGE fluorescence with a protein, and determining damage done to said protein by said substance, wherein a lack of said damage indicates said substance is an inhibitor of protein glycation.

Respectfully submitted,

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